

# Kim Julius Sale

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## SUMMARY

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Software Engineer with a B.S. in Computer Science and hands-on experience architecting cloud-native AI applications. Proven ability to build production-grade full-stack systems using React, Node.js, and Docker, with a focus on CI/CD automation and scalable infrastructure. Brings 10 years of operational excellence in high-stakes aerospace environments to deliver rigorous software reliability and user-centric engineering solutions.

## EDUCATION

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### Bellevue College

*Bachelor of Science in Computer Science*

Bellevue, WA

*June 2025*

**Relevant Coursework:** Software Engineering, Database Systems, Data Structures, Algorithms

### Ancora Training

*Web and App Development*

Online

*Feb. 2025 - Aug. 2025*

**Curriculum Focus:** Web Fundamentals, Modern CSS & Responsive Design, Advanced JavaScript (APIs, JSON), and SPA Development

## TECHNICAL & PROJECT

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### AI-Powered Terminal Portfolio | [\[Live Demo\]](#)

*Full-Stack Engineer*

- Architected a full-stack conversation AI platform that parses PDF resumes and answers recruiter queries in real-time using a custom-tuned LLM persona (Gemma 3 12B).
- Engineered a production-grade DevOps pipeline using Docker for containerization and GitHub Actions for automated testing (Jest) and deployment to IBM Cloud and GitHub Pages..
- Developed a responsive, terminal-style UI with React and Vite, implementing environment-aware configuration to seamlessly switch between local development and cloud production APIs.
- Optimized backend performance by implementing PDF text extraction and prompt engineering to reduce token usage while maintaining high accuracy in candidate data retrieval.

### Virtual Keys | [\[GitHub\]](#)

*Product Manager, Software Engineer, Lead Developer*

- Architected a Virtual Reality learning environment in Unity 3D (C#), integrating the XR Interaction Toolkit to gamify music education through real-time instrument visualization.
- Engineered a custom C# MIDI parsing algorithm to decode complex musical data streams, reducing input latency to under 20ms for seamless audio-visual synchronization.
- Implemented modular software architecture patterns to decouple input handling from the rendering pipeline, improving code maintainability and system scalability.
- Orchestrated the development lifecycle for a 4-person team, establishing Git branching strategies and code review protocols that maintained 100% project integrity.

## TECHNICAL SKILLS

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**Languages:** C#, JavaScript (ES6+), Python, SQL, C++, HTML5, CSS3

**Front-End:** React.js, Vite, Bootstrap, Tailwind CSS, Responsive Design, DOM Manipulation

**Back-End:** Node.js, Express.js, RESTful APIs, PDF Parsing, Prompt Engineering (LLM), MIDI Processing

**Cloud & Developer:** Docker, IBM Cloud, Kubernetes concepts, Github Actions (CI/CD), Jest (Testing)

**Tools:** Git/ GitHub, Visual Studio Code, npm, Unity XR

**Methodologies:** Agile/ Scrum, Data Structures & Algorithms, Debugging & Performance Optimization

## PROFESSIONAL EXPERIENCE

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**Hilton** — Banquets - Houseperson, Captain | SEATAC, WA

Mar. 2023 - PRESENT

- Direct execution of large-scale corporate events for 500+ attendees, ensuring strict adherence to Banquet Event Order (BEO) specifications.
- Optimize logistical workflows, reducing setup/teardown turnaround time by 25% through strategic inventory management.

**MM Distribution** — Manager | TUKWILA, WA

Jul. 2021 - Dec. 2022

- Oversaw global supply chain operations, scaling inventory capacity by 150% to support business expansion; Instituted safety standards achieving a 100% safety record.
- Negotiated resolution for critical vendor discrepancies, ensuring supply chain continuity and preserving key partnerships.

## PREVIOUS HISTORY (2014 – 2021)

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- Furnace Operator Level II | Exotic Metals Forming (2020 – 2021) – *Maintained AS9100/ISO 9001 compliance.*
- Mechanic | Boeing (2018 – 2019) – *Diagnosed and repaired mission-critical avionics systems.*
- Dispatcher | Swissport (2014 – 2018) – *Managed regulatory compliance for flight operations.*